

RECEIVED GROUP 180

AUG 16 1990



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

APPLICANT: C. T. Caskey, et al §
SERIAL NO.: 256,689
FILED: October 12, 1988
INVENTION: Multiplex
Genomic DNA
Amplification
for Deletion
Detection

Docket No.: D-5050

Group Art Unit 187

I hereby certify that this correspondence is being
deposited with the United States Postal Service as
Examiner's mail in an envelope addressed to Commis-
A. Marschall, Patents and Trademarks, Washington, D. C.

DATE, on July 26, 1990

Thomas D. Paul

HONORABLE COMMISSIONER OF PATENTS & TRADEMARKS
Washington, D. C. 20231

Name of applicant, assignee, or
Registered Representative

Pat. Clerk

7/26/90

RESPONSE UNDER 37 C.F.R. §§ 1.111 AND 1.115

Dear Sir:

AMENDMENT

Responsive to the Office Action dated January 29, 1990
kindly amend the following claims:

In the Claims:

1 (amended). A method for simultaneously detecting
known deletions [at a plurality of] from at least three DNA
sequences, comprising the steps of:

treating said DNA to form single-stranded
complementary strands;

adding [a plurality of] at least three paired
oligonucleotide primers, each pair specific for a
different sequence, one primer of each pair
substantially complementary to a part of the sequence
in the sense-strand and the other primer of each pair
substantially complementary to a different part of the
same sequence in the complementary anti-sense strand;

annealing the [plurality] at least three pairs of
primers to their complementary sequences;

simultaneously extending said [plurality of] at
least three pairs of annealed primers from each
primer's 3' terminus to synthesize an extension
product complementary to the strands annealed to each

Extension of time to 9/18/90

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